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a serum or plasma sample for the preparation of a LDL fraction, and means for separating the lipids from the LDL fraction to obtain a lipid fraction. The kit can further include a means for use in the determination of the baseline level of conjugated dienes (LDL-BDC) in the lipid fraction. The invention also relates to a kit for use in the above mentioned purpose including means for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction, and means for use in the determination of the antioxidant potential of LDL in the sample. The invention further provides a kit for use in the above mentioned purpose including means for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction, means for separating the lipids from the LDL fraction to obtain a lipid fraction, means for use in the determination of LDL-BDC in the lipid fraction, and means for use in the determination of the antioxidant potential of LDL in the sample. Additional kits and improved methods for analysis of LDL-BDC and/or LDL-TRAP are provided.

#### In the Claims

Please amend the claims as follows.

- 1.(amended) A kit for use in the screening of the risk for, the diagnosis, management and research of atherosclerosis and coronary heart disease comprising
  - a container containing a reagent for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction, and
  - a container containing a reagent for separating the lipids from the LDL fraction to obtain a LDL lipid fraction.
- 2.(amended) The kit according to claim 1, wherein the reagent for isolating the LDL from the serum or plasma sample is a buffered heparin solution.
- 3.(amended) The kit according to claim 1, wherein the reagent for separating the lipid is a chloroform-methanol solution.

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5.(amended) The kit according to claim 4, wherein the reagent for use in the determination of LDL-BDC in the lipid fraction is an organic solvent.

6.(amended) The kit according to claim 4, wherein the reagent for use in the determination of LDL-BDC in the lipid fraction is cyclohexane.

7.(amended) A kit for use in the screening of the risk for, the diagnosis, management and research of atherosclerosis and coronary heart disease comprising

a container containing a reagent for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction, and

a container containing a reagent for use in the determination of the antioxidant potential of LDL (LDL-TRAP) in the LDL fraction.

8.(amended) The kit according to claim 7, wherein the reagent for isolating the LDL from the sample is a buffered heparin solution.

9.(amended) The kit according to claim 7, wherein the reagent for use in the determination of the antioxidant potential of LDL in a serum or plasma sample is 2,2'-azobis(2-amidinopropane)HCl (ABAP).

10.(amended) A kit for use in the screening of the risk for, the diagnosis, management and research of atherosclerosis and coronary heart disease comprising

a container containing a reagent for isolating LDL from a serum or plasma sample for the preparation of a LDL fraction,

a container containing a reagent for separating the lipids from the LDL fraction to obtain a lipid fraction,

a container containing a reagent for use in the determination of LDL-BDC in the lipid fraction, and